



Plan Notes



PS&E Lessons Learned

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What the PPM says about notes.



PPM Vol. 2-10.4 General Notes for Roadway Plan and Roadway Plan-Profile Sheets

General notes are intended to be used to
clarify design detail...



PPM Vol. 2-10.4 General Notes for Roadway Plan and Roadway Plan-Profile Sheets

General notes should be kept to a minimum.



PPM Vol. 2-10.4 General Notes for Roadway Plan and Roadway Plan-Profile Sheets

Only those notes that are job specific should
be used.



PPM Vol. 2-10.4 General Notes for Roadway Plan and Roadway Plan-Profile Sheets

General notes should only be used to detail uniqueness and not to broaden or curtail requirements in the specifications.



PPM Vol. 2-10.4 General Notes for Roadway Plan and Roadway Plan-Profile Sheets

Notes that restate the standard specifications or standard indexes shall not be used.



The PPM Requires Mandatory Information



Typical Sections

PPM Vol. 2-6.2.11 Mandatory Information

Template dimensions: For widening projects, **the existing pavement width shall be shown as a +/- dimension, and the base widening width shall be shown with an asterisk. Note 3, of Standard Notes for Typical Section Sheets (Exhibit 6-1), shall be shown as near to this noted asterisk as possible.**

NOTE: For typical sections with varying dimensions, the dimensions shall be clearly indicated on the plan-profile sheets.



Typical Sections

PPM Vol. 2-6 Exhibit 6-1.3 (On widening projects)

Actual width of base widening may vary due to actual existing pavement width. Contractor may elect to place uniform width base widening strip at no additional cost to the Department.



Typical Sections

PPM Vol. 2-6 Exhibit 6-1.2 (Under paved shoulders)

At the contractor's option, this area may be constructed of base material at no additional compensation.



Plan Notes

Per the PPM - **The first project note shall always identify the project benchmark datum.**



Why do we need good plan notes?



Good Plan Notes



THE ABBREVIATION 'WJL' STANDS
FOR **WETLAND JURISDICTIONAL LINE**



**THE MILLED MATERIAL FROM THIS
PROJECT SHALL NOT BE UTILIZED IN
ANY MIX LAID ON THIS PROJECT.**



**COMPACTION SHALL BE RESTRICTED
TO STATIC MODE ONLY.**



**LANE CLOSURES SHALL OCCUR
ONLY DURING NON-PEAK HOURS ON
NON-EVENT
DAYS/NIGHTS/WEEKENDS. NON-PEAK
HOURS ARE: 9:00 AM TO 3:30 PM
WEEKDAYS AND WEEKENDS**



Bad Plan Notes



[illegible][illegible]

Boilerplate

Found on a recent set of bridge repair plans:

The new self lubricating plates shall meet Section 964 of the Standard Specifications.

This outdated spec is from 2004. In the current FDOT Specifications, there is no Section 964.



Boilerplate

Pole cable distribution system used shall be (MG Square DOT 3). As described in the Standard Specifications sub-article 992-12.2.

An outdated 2010 FDOT Spec.



Pay Item Notes

Key flags we look for:

“Includes the cost of...”

Specification changes

Redundant statements



Changing Specifications

210-1-1: INCLUDES THE COST OF **REWORKING THE EXISTING BASE** WHERE MILLING OPERATIONS REMOVE ALL OF THE EXISTING ASPHALT FROM STA. XX+00 TO STA. XX+00. QUANTITIES MAY BE INCREASED, DECREASED OR OMITTED BY THE ENGINEER. **THIS IS NOT A PLAN QUANTITY ITEM.**

**This note is in conflict with the BOE.
Reworking base is a plan quantity item.**



Changing Specifications

Fence - **Includes the cost of proposed swing gate and gate for walkway.** Includes the cost of removal of existing fence.

Gates are a separate pay item (See 550-5)."

This note is in conflict with FDOT Specification 550.



Changing Specifications

630-2-12 : **Includes open trench** installation under pavement.

This note is in conflict with the pay item.
630-2-12 is Directional Bore.



CPR

A short video on the importance of CPR



Plan Notes

Signalization Notes shall be in accordance with the project Plans, the Standard Specifications for Road and Bridge Construction.

This note is redundant to the Key Sheet.



Plan Notes

All public land corners and primary network control survey monuments are to be protected by the contractor. Corners and monuments within the work zone and in danger of being damaged, destroyed or covered shall be properly referenced by a registered land surveyor in accordance with the minimum technical standards of the Florida Board of Professional Land Surveyors prior to the beginning of work. **Upon project completion the contractor shall restore all such corners and monuments** and shall furnish to the District Location Surveyor signed and sealed copy of the land surveyor's reference drawing. Include all cost of referencing, restoring and preserving corners and monuments in the bid price for item 101-1 mobilization.



Plan Notes

Here is the proper note.

Per the PPM Vol. 2 Exhibit 10-1, If any Public Land Corner within the limits of construction is in danger of being destroyed and has not been properly referenced, immediately **notify the Engineer in conjunction with the District Location Surveyor.**



Plan Notes

All concrete shall be 4" thick for sidewalks and 6" thick for driveway crossings.

This note is redundant to **FDOT Design Standards index 310.**



Plan Notes

The contractor shall place retro-reflective pavement markers at all locations where new paint is applied. Placement of retro-reflective pavement markers shall be in accordance with index 17352.

This note is redundant to **FDOT Design Standards index 17352 and index 600 and FDOT Specifications 706-4.**



Plan Notes

At no time shall the contractor **close any two consecutive side streets or median openings.**

This note is redundant to FDOT Specifications **102-5.4** (don't block or restrict).



Plan Notes

The contractor shall **maintain pedestrian traffic** on at least one side of SRxxx at all times. Refer to index 660 for pedestrian control for closure of sidewalks.

This note is redundant to FDOT Specifications **102-1**, 102-5.4, 102-5.5, 8-3.4, **ADA** and FDOT Design Standards 660 and **600**.



Prescriptive Notes



Prescriptive Notes

All existing pavement markings that are in conflict with proposed markings shall be removed **by hydro-blasting.**



Prescriptive Notes

Conduit under reconstruction of sidewalk shall be placed **prior to placing pavement.**



Prescriptive Notes

Placement of barricades or plastic drums shall be **a minimum of six inches (6")** from the edge line of the travel way.



And Now for Something Completely
Different

Remove the pole that has to be removed.



And Now for Something Completely
Different

TWO FULL BUSINESS DAYS PRIOR TO
DIGGING **THE CONTRACTOR SHALL CALL
811, TELEPHONE NUMBER 811...**



And Now for Something Completely Different

All areas within these plans delineated as areas of potential contamination shall be treated as identified areas of contamination. Any areas of contamination encountered that are not delineated shall be treated as unidentified areas of contamination.



And Now for Something Completely Different

The accuracy of the plan information is for reference. It will be the responsibility of the contractor to inquire of the Engineer, Department, or Project Manager if additional information is required for clarification prior to bidding...



Additional Comments

Unlike specifications, plan notes have not been:

Vetted

Reviewed by peers

Sent to industry

Sent through legal scrutiny



Additional Comments

If you 'think' you need a plan note, ask first...
your District Program Management Office (PS&E
Engineer) can help with determinations working
with the District Project Manager.



Why the Concern?

Reduction of plan notes is a Chief Engineer initiative.



One DOT

